INTERNATIONAL SEARCH REPORT

International Application No PCT/JP2004/011403

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C03C1/00 C03C3/091 C03B5/225

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) $IPC\ 7\ C03C\ C03B$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
Ρ,Χ	WO 03/066539 A (TAKAHASHI HACHIRO; AOKI SHIGEAKI (JP); KATO MITSUO (JP); TAKAGI MASAT) 14 August 2003 (2003-08-14) paragraphs '0030!, '0031!; claims; examples 143,146,149,150,161-170	1-8	
E	& EP 1 473 284 A (NIPPON ELECTRIC GLASS CO) 3 November 2004 (2004-11-03)	1-8	
E	US 2004/186000 A1 (MATSUDA TOSHIFUMI ET AL) 23 September 2004 (2004-09-23) paragraphs '0045! - '0049!; claims; table 1	1-8	
	· -/		

X Further documents are listed in the continuation of box C.	Patent family members are listed in annex.				
 Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or 	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such document 				
"O" document referring to an oral disclosure, use, exhibition of other means "P" document published prior to the international filing date but later than the priority date claimed	ments, such combination being obvious to a person skilled in the art. *&* document member of the same patent family				
Date of the actual completion of the international search	Date of mailing of the international search report				
12 November 2004	18/11/2004				
Name and mailing address of the ISA	Authorized officer				
European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Van Bommel, L				

1

INTERNATIONAL SEARCH REPORT

International Application No
PCT/JP2004/011403

	A DOCUMENTS CONSIDERED TO BE BEI EVANT	FC170F20047011403		
C.(Continua Category °	ation) DQCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
Category	Challott of document, with indication, made appropriate			
Y	PATENT ABSTRACTS OF JAPAN vol. 1999, no. 05, 31 May 1999 (1999-05-31) & JP 11 043350 A (NIPPON ELECTRIC GLASS CO LTD), 16 February 1999 (1999-02-16) cited in the application abstract	1-8		
Υ	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 09, 13 October 2000 (2000-10-13) & JP 2000 159541 A (NIPPON ELECTRIC GLASS CO LTD), 13 June 2000 (2000-06-13) cited in the application abstract	1-8		
Υ	US 3 622 296 A (BUEHL WALTER M) 23 November 1971 (1971-11-23) the whole document	1-8		
Y	US 2 038 627 A (BADGER ALFRED E) 28 April 1936 (1936-04-28) the whole document	1-8		
	1 □			

1

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/JP2004/011403

 Patent document cited in search report 		Publication date		Patent family member(s)		Publication date
WO 03066539	A	14-08-2003	EP WO JP	1473284 03066539 2003300750	A1	03-11-2004 14-08-2003 21-10-2003
EP 1473284	Α	03-11-2004	EP WO JP	1473284 03066539 2003300750	A1	03-11-2004 14-08-2003 21-10-2003
US 2004186000	A1	23-09-2004	JP	2004269347	Α	30-09-2004
JP 11043350	Α	16-02-1999	US US US	2003121288 2002011080 6508083	A1	03-07-2003 31-01-2002 21-01-2003
JP 2000159541	Α	13-06-2000	US	6468933	B1	22-10-2002
US 3622296	Α	23-11-1971	GB	1159647	Α	30-07-1969
US 2038627	Α	28-04-1936	FR GB	805007 450927		09-11-1936 27-07-1936